5/20

DART AEROSPACE LTD	Work Order: 23051	
Description: Panel	Part Number: D3330-5	
Dwg: D3330 Rev. A PAGE 5	Qty: 15	
Ref: RF 05.01.17	Page 1 of 1	

Step	Location	Procedure	Ву	Date	Qty
1	DC .	Issue Traveler	RJ.	05.04.15	15
2	PG	Issue P/O: 100 115  Email or Ship DXF file to vendor  Laser Cut flat pattern per Dwg D3330  Possible Supplier: Industrial Laser  Material release note is required	И	55.04·20	15
3	RG	Receive and Inspect for transit damage Enure material release note is attached	cL.	05/05/16	15
4	QC6	Inspect dimensions as per Dwg D3330 or D3330-STI TEMPLATE	AA	05/05/25	15
5	GA	Deburr	CPL	05/05/25	15
6	GB	Form as per Dwg D3330	CPL	85/05/26	15
7	QC5	Inspect work to Step 6	M	05/05/26	15
8	ST	Identify and Stock	CPL	05/05/26	15
9	AC	Cost / part: <u>17,7Z</u>	595	05-05-5/	15
10	DC	Close W/O / 6 , 6 5 Inspect Level 21	4	05,06.03	15

Rev	Date	Change	Revised By	Approved
Α	05.01.13	New issue	KJ/JLM	

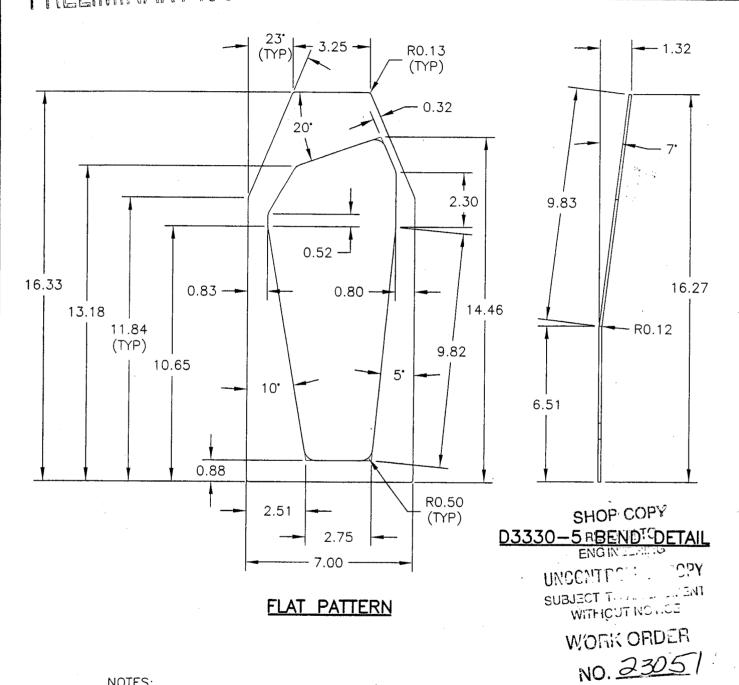


	,			<b>%</b> :	By Date Qty Approval Mfg / Design Mgr QC Inspector  ANCE (NCR)				
Dart A	erospa	ce Ltd			•				
W/O:		······································	WC	ORK ORDER CHANGES			<del>.,,</del>		
DATE	STEP	PROC	EDURE CHA	NGE	Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector
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			· · · · · · · · · · · · · · · · · · ·						
		•				Mgr do inspector  R)  Verification Approval Approval OC Inspector  Section C. Design Mgr QC Inspector			
	_1								
NCR:		<b>W</b> (	ORK ORD	ER NON-CONFORMANC	E (NCR	)			
		Description of NC		Corrective Action Section B		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Design Mgr	Action Description  Design Mgr	CHANGES  By Date Qty Approval Mfg / Design Mgr QC Inspector  NFORMANCE (NCR)  Lion Section B Section C Section C Design Mgr Approval Approval Design Mgr QC Inspector	QC Inspector			
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NOTE: Date & initial all en	PAR #:	Fault Category:	NCR: Yes No DQA: QA: N/C Closed:	Date: Date:	
Part No:	DAD #*	Foult Cotogony	NCD: Voc No DOA:	Data	<del></del>



DESIGN	DRAWN BY	DART AEROSI HAWKESBURY, ONTA	
CHECKED	APPROVED	DRAWING NO.	REV. B
T		D3330	SHEET 5 OF 9
DATE		TITLE	SCALE
05.02.26		FRAME WELDMENT	1:4



NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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## Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Apr 12, 2005 02:25 pm

Work Order No : 0023051

Project Name : D3330-5 Project For : WK520

Work Order Type : Main

Main WO Number

House Part Number: D3330-5

Description : Rail Manufactured : Yes

Amount Req'd :

15 Amount Done : 0
Start Date : 04-12-05

Est Finish Date : 05-15-05 Act Finish Date :

Drawings Reqd : No

Ok for Approval : Approval Rec'd :

Department Code:

Burden Flags : NNNNNNN

WO Status : Open

Invoice State : Not Invoiced

Invoice Date :

Invoice Number :

Invoice Amount: 0.00

Order Entry No :

OE Value : 0.00

Est Mark Up : 0.000% Actual Mark Up : 0.000%

\$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
Note: 27 Cost	==:		0.00	0 00	0.00	0.00
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours		0.00	0.00	0.00	0 00	0.00
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	=======	======		
Burden	:	0.00	0.00	0.00		
			========	======		
Total Cost	:	0.00	0.00	0.00		
Mark up	:	0.000	0.000			
Selling Cost	:	0.00	0.00			•

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00



BHP New Zealand Steel Limited Gentrook, South Auckland Postal: Private Bag 92121, Auckland, New Zealand Telephones: (09) 3758 999 Auckland (09) 2358 069 Wakuku

## TEST CERTIFICATE

Ref 985/2301

												rax: (U	11 1/20	959	lelex: 24	4936										
CUSTOMER	Wilkinso	n			POOTZIMEOOI S						SPEC	PECIFICATION AST MAS69						CERTIFICATE No TC027066								
CUSTOMER O/N	90-31N-06	7										PRO	DUCT		н	OT R	OLLED	PICKL	ED & OIL	ED			PAGE		1 of 1	
MILL O/	256321								DIME	IMENSIONS 6.119" × 48" × Coil							DATE 22 November		2 November 2000							
						CHEM	ICAL (	OMPO	озітю	N PEF	CENT				•		·	ME	CHANICAL	TESTS (TE	ST SPECIFIC	CATION -	ASTMA3	70		)
PACK NUMBER	HEAT No	¢	Si	Mn	Р	s	Cu	Ni	Cr	Mo	٧	Nb	π	AJ	В	112	CE( )	BEND	YIELD	T.S.	%ELONG	HARDNESS	r	LENGTH		
	1,541,46		×100						×10	000					x10	000	x100	180°	Ì		G.L.=	1	( )	(feet)		
HP-720792-00	602612	6	TR	21	9	18	12	18	22	4	6	1				Γ		Good						820		
HP-720793-00	602612	6	TR	21	9	18	12	18	22	4	6	1	1	1	1			Good		1	1	1	İ	827		
HP-720794-00	602612	6	TR	21	9	18	12	18	22	4	6	t	l			1		Good	l		ľ	1		817		
HP-720795-00	602612	6	TR	21	9	18	12	18	22	4	6	1	l	1	1			Good			ŀ		l	830		
HP-720796-00	602612	6	TR	21	9	18	12	18	22	4	6	1		1	ļ			Good	ł		]			807		
HP-720797-00	682612	6	TR	21	9	18	12	18	22	4	6	1	<u> </u>		]			Good				l		810		

11 GA

YIELD GAUGE LENGTH (G.L.) PLASTIC STRAIN RATIO (r) IMPACT TEST CARBON EQUIVALENT VALUE (CE) (A)=0.2% PROOF STRESS (A)=200mm (C)=80mm (E)=2" (A)=r0 (C)=r45 (A)×10mm x 10mm (C)=5mm x 5mm (A)≃C+Mn/6 (C)=C+Mn/6+Si/24 (B)=LOWER YIELD STRESS (B)=50mm (D)=5.65 \( \text{So} \) (F)=8" (B)=r90 (D)=(r0+r90+2r45) / 4 (B)=7.5mm x . (D)=2.5mm x (B)=C+Mrv8+(Cr+V+Mo)/5+(Cu+Ni)/15

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND INSPECTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

